

2238651 - Price differences for 2V materials not posted to stock as per stock coverage check

Version	2	Type	SAP Knowledge Base Article
Language	English	Master Language	English
Release Status	Released to Customer	Category	How To
Component	CO-PC-ACT (Actual Costing/Material Ledger)	Released On	04/29/2016

Please find the original document at <https://launchpad.support.sap.com/#/notes/2238651>

Symptom

- Price differences are not revaluating the stock for a 2V material, with active Material Ledger.
- Material Ledger Active.
- Controlling (CO).

Environment

- Financial Accounting (FI).
- SAP R/3.
- SAP R/3 Enterprise 4.7.
- SAP ERP Central Component.
- SAP ERP.
- SAP enhancement package for SAP ERP.
- SAP enhancement package fo SAP ERP, version for SAP HANA.

Reproducing the Issue

- You post a material document including price differences for a 2V material with reference quantity, for example an invoice or a debit/credit posting:

Debit Material Edit Goto System Help

✓ [Dropdown] << [Icons]

Debit/Credit Material: Individual Processing

Overview

Material: ACT-BEA2V Raw Material 2V

Plant: 6000 Mexico City

Valuation Type: [Dropdown]

Price Control: V Mov. avg. price

Total stock: 4 ST

Quantity: 8

	Curr...	Short Description	Debit/credit amount
	MXN	Company code currency	600
	EUR	Group currency, profit cente...	200
	USD	Hard currency	300

- You realize that not all price differences are posted to the stock, and part of the differences remain in the PRD account:

Material Price Analysis Edit Goto Extras System Help

Material Price Analysis

Costing Cockpit Set Costing Run

Material ACT-BEA2V Raw Material 2V

Plant 6000 Mexico City

Valuation Type

Sales Order Stock/Project Stock

Period/Year 10 2015 Period Status Quantities and Values Entered

Curr./Valuation Company code currency MXN

View Price History

Prices and Inventory Values

Standard Price	280,00	Price Unit	100
Periodic Unit Price	7.900,00	Price Control	V
Current Inventory	4	Price Determination	Transaction-Based
Current Inv. Value	316,00	Base Unit of Measure	ST
Inv. value (stat.)	0,00	Revaluation Amount	0,00
Future Val. Price	0,00	Price Diff. Issues	0,00
Future Val.Price Frm		ExchRateDiff. Issues	0,00

Business Transaction	Transact. Obj.	Unit	ChgTotInv.	Value chg.	Price mov.	Per	TotalStock	Total val.	New price
Period Opening		ST	0	0,00	0,00	100	0	0,00	300,00
GI entry of st. bals	561	ST	2	6,00	300,00	100	2	6,00	300,00
GR goods receipt	4700002136/10	ST	2	10,00	500,00	100	4	16,00	400,00
Material debit/credit		ST	0	300,00	0,00	100	4	316,00	7.900,00

- Check the Material debit/credit document and related FI documents to display the price differences that have been posted to stock, and the part of price differences that remain in the PRD account:

Document Overview - Display

Document Overview - Display

Doc.type : PR (Price change) Normal document

Doc. Number	4800005606	Company code	6000	Fiscal year	2015
Doc. date	12.11.2015	Posting date	12.10.2015	Period	10
Calculate Tax	<input type="checkbox"/>				
Doc.currency	MXN				

Itm	PK	Account	Account short text	Assignment	Tx	Amount	Crcy	Amt in
1	83	231000	Loss - price varianc	20151012		600,00	MXN	
2	93	232500	Expense from revalua	20151012		600,00-	MXN	

Cause

- The reason why not all price differences have been posted to the stock is the "stock coverage check" logic.
- When price differences are posted to a 2V material (price determination 2, price control V), two scenarios are possible:

1. Price Differences with Moving Average Price and **STOCK COVERAGE**:

If the reference quantity of the invoice receipt or debit/credit posting, is less than or equal to the the stock quantity of the material, then the price variance for the missing quantity is posted to the stock account.

2. Price Differences with Moving Average Price and **STOCK SHORTAGE**:

If the stock of material is less than the reference quantity specified in the invoice or in the debit/credit posting, then the price variance for the missing quantity is posted to the price difference account. The effect is that not all price differences can be posted to stock and part of the differences remain on the PRD account.

This is the case in our example: the reference stock quantity in the debil/credit posting was 8 ST but the stock quantity before the posting was 4 ST, not enough to absorbe all the price differences (600 MXN).

Only half of the price differences (4 ST/ 8 ST) * 600 MXN = 300 MXN were posted to stock.

Document Edit Goto System Help

Display Price Change Document 203468: Item 1 / 1

Previous Period Next Period Period... Additional Data

Material ACT-BEA2V Raw Material 2V
 Plant 6000 Period/year 10 2015
 Base Unit ST
 Currency MXN Company code currency
 Item type DC Debit/Credit Material

Change in inventory Price change Revaluation

Base quantity 8
 Revalued amount 600,00

Additional Data

SAP Release 620
 Company Code 6000

Material data

Cost EstimateNo 100427700
 Val.Grpg Code 0001
 Valuation Class 3000
 Value Type 0

Data on transaction

Posting Date 31.10.2015
 Period type LF

Data on time before the transaction

Total Stock 4
 Total value 16,00
 Per. Unit Price 400,00
 Period status 30 Quantities and Values Entered

Resolution

- With active Material Ledger, the recommendation is to use 3S materials (price determination 3, price control S).
 The problem of missing stock coverage is not completely avoided but it is much less likely to happen.
 Also, the periodic unit price calculated at month end is more accurate than the moving average price.

Keywords

stock coverage stock shortage quantity absorbe 2V 2 V price determination control CO-PC-ACT Actual Costing Material Ledger ML error

Products

SAP ERP All versions

SAP ERP Central Component All versions

SAP R/3 All versions

SAP R/3 Enterprise All versions

SAP enhancement package for SAP ERP All versions

SAP enhancement package for SAP ERP, version for SAP HANA All versions

[Terms of use](#) | [Copyright](#) | [Trademark](#) | [Legal Disclosure](#) | [Privacy](#)